| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|------------|--------|--|---|---------------------|---------|------------------|
| S1 | 482834 | (aloha with (multiple-chanel or channels)) near3 slot or window | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 19:03 |
| S2 | 2974 | 455/450 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/04 11:22 |
| S3 | 1541 | 455/434 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/04 11:22 |
| S4 | 432 | S2 and S3 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/04 11:22 |
| S5 | 79885 | "370"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/04 11:23 |
| S6 | 143 | S4 and S5 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/04 11:23 |
| S 7 | 22 | S1 and S6 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/06 14:52 |
| S8 | 482834 | (aloha with (multiple-chanel or channels)) near3 slot or window | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/06 14:53 |
| S9 | 2974 | 455/450 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/06 14:53 |
| S10 | 1541 | 455/434 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/06 14:53 |
| S11 | 432 | S9 and S10 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/06 14:53 |
| S12 | 79885 | "370"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/06 14:53 |

| | | | | | r | T |
|-----|------|---|---|----|---------------|------------------|
| S13 | 143 | S11 and S12 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/06 14:53 |
| S14 | 10 | (S8 and S13) and bandwidth | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/06 14:54 |
| S15 | 18 | bandwidth with (contention adj channel) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2005/06/11 07:25 |
| S16 | 5911 | 455/450,434,452.1,452.2,509,12.1, 427,455,502,504,506.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/06 15:45 |
| S17 | 1786 | 370/329,229.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/06 15:45 |
| S18 | 212 | S16 and S17 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/06 15:45 |
| S19 | 210 | (S16 and S17) and (contention adj channel or (random access channel or RACH)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/06 16:17 |
| S20 | 41 | (S16 and S17) and (contention adj channel or (random access channel or RACH)) and satellite | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 11:12 |
| S21 | 2 | (S16 and S17) and (contention adj channel or (random access channel or RACH)) and satellite and aloha | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/06 16:17 |
| S24 | 1077 | (tim\$3 adj uncertai\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 11:10 |
| S25 | 377 | ((aloha with (multiple-chanel or channels)) near3 slot or window) and S24 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 11:13 |
| S26 | 5916 | 455/450,434,452.1,452.2,509,12.1, 427,455,502,504,506.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 11:12 |

| C27 | 1700 | 270/220 220 cele | LIC DCS: 15 | | | 20044242 |
|-----|------|---|---|----|-------|------------------|
| S27 | 1788 | 370/329,229.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 11:12 |
| S28 | 1 | ((S26 and S27) and (contention adj channel or (random access channel or RACH)) and satellite) and S25 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 11:12 |
| S29 | 222 | ((aloha with (multiple-chanel or channels)) near3 slot or window) and S24 and (duration) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 11:14 |
| S30 | 113 | ((aloha with (multiple-chanel or channels)) near3 slot or window) and S24 and (duration) and (bandwidth) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 17:39 |
| S31 | 2 | ((aloha with (multiple-chanel or channels)) near3 slot or window) and S24 and (duration) and (bandwidth) and (sub-channel or subchannel) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 11:15 |
| S32 | 1077 | (tim\$3 adj uncertai\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 15:07 |
| S33 | 53 | ((aloha with (multiple-chanel or channels)) near3 slot or window) and S32 and (duration) and (bandwidth) and (time adj slot) and (correction) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 15:07 |
| S34 | 60 | ((aloha with (multiple-chanel or channels)) near3 slot or window) and S32 and (duration) and (bandwidth) and (time adj slot) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 16:23 |
| S38 | 3 | (time adj slot) near2 window with (contention or adquisition adj channel) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 17:37 |
| S40 | 1 | ((time adj slot) near2 window with (contention or adquisition adj channel)) and (upstream or uplink or downstream or downlink same (network or wireless or cellular)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 16:39 |
| S49 | 5325 | 370/278,282,462,461,447,503,516, 517,519,436.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 16:52 |
| S50 | 4869 | 455/450,455,452.1,452.2,509,434,427, 12.1.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF · | 2004/12/07 16:53 |

| | | | I | | | |
|-----|-----|--|---|----|-------|------------------|
| S51 | 48 | S49 and S50 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 16:53 |
| S55 | 1 | S51 and (((aloha with (multiple-chanel or channels)) near3 slot or window) and S32 and (duration) and (bandwidth)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 17:39 |
| S56 | 4 | (contention adj channel) near2 (RACH) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/07 19:34 |
| S58 | 134 | (optimi\$6 with (control adj channel)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/08 11:25 |
| S59 | 1 | (optimi\$6 with (control adj channel)) and (contention adj channel) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/08 10:41 |
| S62 | 12 | (optimi\$6 with (control adj channel)) with (access) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/08 12:45 |
| S63 | 329 | (broadband adj packet) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | . OFF | 2004/12/08 12:45 |
| S64 | 21 | (broadband adj packet) near3 (satellite adj network or system) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/08 16:53 |
| S65 | 1 | (content\$4 adj channel) with (reques\$4 adj traffic adj channel) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/08 12:47 |
| S66 | 54 | (RACH adj message or data or information) near3 (tim\$4 adj uncert\$6) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2005/06/11 07:25 |
| S67 | 21 | S63 and S64 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/08 12:49 |
| S68 | 1 | S65 and S66 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/08 12:49 |

| S69 | <u>1</u> | S67 and S68 | US-PGPUB; | OR | OFF | 2004/12/08 12:49 |
|------------------|----------|--|---|----|-----|------------------|
| | • | , | USPAT; USOCR; EPO; JPO | · | 011 | 2004/12/08 12:49 |
| S70 | 1 | (broadband with RACH and (contention adj channel)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2005/09/26 17:19 |
| S71 | 4 | RACH near2 (contention adj channel) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/08 17:06 |
| S74 | 15269 | (tim\$3 adj advan\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2005/06/13 08:36 |
| S75 | 2035 | (tim\$3 adj advan\$4) and (synchronization) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/08 17:09 |
| S76 | 116 | (tim\$3 adj advan\$4) and (synchronization) same TDMA | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/08 17:16 |
| S77 | 2 | (tim\$3 adj advan\$4) and (synchronization) same TDMA same ALOHA | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/12/08 17:10 |
| S78 ⁻ | 22 | bandwidth with (contention adj channel) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/26 17:19 |
| S79 | 63 | (RACH adj message or data or information) near3 (tim\$4 adj uncert\$6) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/26 17:20 |
| S81 | .1 | S78 and S79 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 07:26 |
| S82 | 1 | S78 same S79 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 07:26 |

| 584 | 1 | (RACH adj message or data or information) near3 (tim\$4 adj uncert\$6) same (RACH or random adj access adj channel) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON. | 2005/06/11 09:38 |
|-----|------|---|---|----|-----|------------------|
| S85 | 3 | (tim\$4 adj uncert\$6) same (RACH or random adj access adj channel) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 09:40 |
| S86 | 1184 | (uncert\$6 or round adj trip delay or time) same (RACH or random adj access adj channel) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 09:39 |
| S87 | 196 | (PRACH or packet adj random adj channel) same (RACH or random adj access adj channel) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 10:34 |
| S88 | 97 | S86 and S87 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 10:14 |
| S89 | 1 | S85 and S88 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 09:40 |
| S90 | 49 | (PRACH or packet adj random adj channel) with (time or duration or period) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 10:34 |
| S91 | 3295 | 370/329 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 08:37 |

| CCC | 2272 | 270/220 | LIC DCT:- | | | |
|-----|------|-------------|---|----|----|------------------|
| S92 | 3273 | 370/338 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 08:37 |
| S93 | 2939 | 370/347 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 08:37 |
| S94 | 858 | 370/348 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 08:37 |
| S95 | 1315 | 370/345 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 08:37 |
| S96 | 1339 | 370/336 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 08:37 |
| S97 | 2553 | 370/337 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 08:37 |
| S98 | 592 | S91 and S92 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 08:37 |
| S99 | 487 | S93 and S94 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 08:38 |

| S10 0 | 488 | S95 and S96 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 08:38 |
|----------|-----|--|---|-----------------|-----|------------------|
| S10 1 | 170 | S97 and S98 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 08:38 |
| S10 2 | 122 | S99 and S100 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 08:38 |
| S10 3 | 17 | S101 and S102 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR ⁻ | ON | 2005/06/13 08:38 |
| S10 6 | 2 | ("0841826").PN. | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/17 14:52 |
| S10 7 | 8 | "841826" | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/06/17 14:52 |
| S10 8 | 716 | bandwidth with ((contention or control) adj channel) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/26 17:19 |
| S10 9 | 1 | (broadband with RACH and (contention adj channel)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2005/09/26 17:19 |
| S11 0 | 1 | (broadband with RACH and (contention adj channel)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/26 17:19 |

| | | | | | r - | Τ |
|------------|-------------|---|---|----|----------------|------------------|
| S11 1 | 369 | 370/330.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/26 17:25 |
| S11 2 | 596 | 370/348.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/26 17:25 |
| S11 3 | 14 | S111 and S112 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/26 17:29 |
| S11 4 | 3249 | ((control adj channel) ((traffic voice) adj channel)) same (bandwidth) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/26 17:33 |
| S11 5 | 3 | S113 and S114 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/26 17:34 |
| S11 ` 6 | 138 | (((control adj channel) ((traffic voice) adj channel)) same (bandwidth)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/26 17:34 |
| S11 7 | 3 | (S113 and S114)".clm" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/26 17:34 |